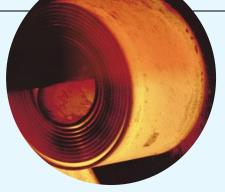
Uncoated steel

Datasheet

April 2019. This literature supersedes all previous issues





Hot rolled strip AS/NZS 1594 – HA3

General description

 Hot-rolled formable steel suitable when pickled for medium drawing and heavy pressing applications

Typical uses

- General manufactured components
- Automotive components
- Brackets
- Furniture

Features & benefits

- Excellent weldability
- Good formability

Supply conditions

- Excellent for galvanizing applications

Warnings

- This material should be used in conjunction with the appropriate design and welding standards.
- An untrimmed edge (Mill Edge) may contain minor surface discontinuities as a result of the rolling process. It is recommended that customers satisfy themselves that the edge is suitable for the application.

Australian and International Standards AS/NZS 1594: 2002 AS/NZS 1365: 1996 ISO9001: 2015 Quality System Certified

	Normal	Optional
Thickness Range	1.6 – 8 mm *	-
Width Range	750 – 1550 mm *	-
Surface Finish	Hot Rolled Pickled & Oiled (1.6 to 6mm only)	
Edge Condition	Untrimmed (Mill Edge)	Trimmed
Tolerance	AS/NZS 1365: 1996 -	
Certification	BlueScope -	

* Not all thickness & width combinations are available

Optional supply conditions are subject to dimensional restrictions

Chemical composition

Element	Guaranteed maximum %
Carbon	0.08
Silicon	0.03
Manganese	0.40
Phosphorus	0.030
Sulphur	0.025
Aluminium	0.10
CEQ (IIW)	- (typical 0.095%)

All values shown refer to the relevant Australian Standard unless otherwise stated

$$CEQ(IIW) = C + \frac{Mn}{6} + \frac{(Cr+Mo+V)}{5} + \frac{(Cu+Ni)}{15}$$

Mechanical properties

Tensile Properties (Longitudinal)		Guaranteed value
Yield Strength (MPa)	Guaranteed Minimum	200
Tensile Strength (MPa)	Guaranteed Minimum	300
Elongation 80 mm (%)	Guaranteed Minimum	32% (<=3mm), 34% (>3mm)
180° Bend (transverse)	Guaranteed Minimum	Ot

t = thickness of test piece

Weldability Group



Refer to WTIA Technical Note 1 or AS/NZS 1554.1:2014



To ensure you have the most current Data Sheet

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For more information contact Steel Direct





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